

## Chapter 2.1.1 – Foot and Mouth Disease

### Current OIE proposed text:

Article 2.1.1.12.

When importing from FMD free countries or zones where vaccination is not practised, *Veterinary Administrations* should require:

for fresh semen of domestic ruminants and pigs

the presentation of an *international veterinary certificate* attesting that:

- 1) the donor animals:
  - a) showed no clinical sign of FMD on the day of collection of the semen;
  - b) were kept in an FMD free country or zone where vaccination is not practised for at least 3 months prior to collection;
- 2) the semen was collected, processed and stored in conformity with the provisions of Appendix 3.2.1., Appendix 3.2.2. or Appendix 3.2.3., as relevant.

### Suggested text:

Article 2.1.1.12.

When importing from FMD free countries or zones where vaccination is not practised, *Veterinary Administrations* should require:

for fresh semen of domestic ruminants and pigs

the presentation of an *international veterinary certificate* attesting that:

- 1) the donor animals:
  - a) showed no clinical sign of FMD on the day of collection of the semen;
  - b) were kept in an FMD free country or zone where vaccination is not practised for at least 3 months prior to collection;
- 2) the semen was collected, processed **and** stored **and shipped** in conformity with the provisions of Appendix 3.2.1., Appendix 3.2.2. or Appendix 3.2.3., as relevant.

### Current OIE proposed text:

Article 2.1.1.13.

When importing from FMD free countries or zones where vaccination is not practised, *Veterinary Administrations* should require:

for frozen semen of domestic ruminants and pigs

the presentation of an *international veterinary certificate* attesting that:

- 1) the donor animals:
  - a) showed no clinical sign of FMD on the day of collection of the semen and for the following 30 days;
  - b) were kept in an FMD free country or zone where vaccination is not practised for at least 3 months prior to collection;
- 2) the semen was collected, processed and stored in conformity with the provisions of Appendix 3.2.1., Appendix 3.2.2. or Appendix 3.2.3., as relevant.

**Suggested text:**

Article 2.1.1.13.

When importing from FMD free countries or zones where vaccination is not practised, *Veterinary Administrations* should require:

for frozen semen of domestic ruminants and pigs

the presentation of an *international veterinary certificate* attesting that:

- 1) the donor animals:
  - a) showed no clinical sign of FMD on the day of collection of the semen and for the following 30 days;
  - b) were kept in an FMD free country or zone where vaccination is not practised for at least 3 months prior to collection;
- 2) the semen was collected, processed, **and** stored **and shipped** in conformity with the provisions of Appendix 3.2.1., Appendix 3.2.2. or Appendix 3.2.3., as relevant.

**Current OIE proposed text:**

Article 2.1.1.14.

When importing from FMD free countries or zones where vaccination is practised, *Veterinary Administrations* should require:

for semen of domestic ruminants and pigs

the presentation of an *international veterinary certificate* attesting that:

- 1) the donor animals:
  - a) showed no clinical sign of FMD on the day of collection of the semen and for the following 30 days;
  - b) were kept in a country or zone free from FMD for at least 3 months prior to collection;

- c) if destined to an FMD free country or zone where vaccination is not practised:
  - i) have not been vaccinated and were subjected, not less than 21 days after collection of the semen, to tests for antibodies against FMD virus, with negative results; or
  - ii) had been vaccinated at least twice, with the last vaccination not more than 12 and not less than one month prior to collection;
- 2) no other animal present in the *artificial insemination centre* has been vaccinated within the month prior to collection;
- 3) the semen:
  - a) was collected, processed and stored in conformity with the provisions of Appendix 3.2.1., Appendix 3.2.2. or Appendix 3.2.3., as relevant;
  - b) was stored in ~~a country free from FMD~~ the country of origin for a period of at least one month following collection ~~before export~~, and during this period no animal on the *establishment* where the donor animals were kept showed any sign of FMD.

**Suggested text:**

Article 2.1.1.14.

When importing from FMD free countries or zones where vaccination is practised, *Veterinary Administrations* should require:

for semen of domestic ruminants and pigs

the presentation of an *international veterinary certificate* attesting that:

- 1) the donor animals:
  - a) showed no clinical sign of FMD on the day of collection of the semen and for the following 30 days;
  - b) were kept in a country or zone free from FMD for at least 3 months prior to collection;
  - c) if destined to an FMD free country or zone where vaccination is not practised:
    - i) have not been vaccinated and were subjected, not less than 21 days after collection of the semen, to tests for antibodies against FMD virus, with negative results; or
    - ii) had been vaccinated at least twice, with the last vaccination not more than 12 and not less than one month prior to collection;
- 2) no other animal present in the *artificial insemination centre* has been vaccinated within the month prior to collection;
- 3) the semen:
  - a) was collected, processed, ~~and~~ stored and shipped in conformity with the provisions of Appendix 3.2.1., Appendix 3.2.2. or Appendix 3.2.3., as relevant;
  - b) was stored in ~~a country free from FMD~~ the country of origin for a period of at least one

month following collection ~~before export~~, and during this period no animal on the *establishment* where the donor animals were kept showed any sign of FMD.

**Current OIE proposed text:**

**Article 2.1.1.15.**

When importing from FMD infected countries or zones, *Veterinary Administrations* should require:

for semen of domestic ruminants and pigs

the presentation of an *international veterinary certificate* attesting that:

- 1) the donor animals:
  - a) showed no clinical sign of FMD on the day of collection of the semen;
  - b) were kept in an *establishment* where no animal had been added in the 30 days before collection, and that FMD has not occurred within 10 kilometres for the 30 days before and after collection;
  - c) have not been vaccinated and were subjected, not less than 21 days after collection of the semen, to tests for antibodies against FMD virus, with negative results; or
  - d) had been vaccinated at least twice, with the last vaccination not more than 12 and not less than one month prior to collection;
- 2) no other animal present in the *artificial insemination centre* has been vaccinated within the month prior to collection;
- 3) the semen:
  - a) was collected, processed and stored in conformity with the provisions of Appendix 3.2.1., Appendix 3.2.2. or Appendix 3.2.3., as relevant;
  - b) was subjected, with negative results, to a test for FMDV infection if the donor animal has been vaccinated within the 12 months prior to collection;
  - c) was stored in the country of origin for a period of at least one month following collection ~~between collection and export~~, and during this period no animal on the *establishment* where the donor animals were kept showed any sign of FMD.

**Suggested text:**

**Article 2.1.1.15.**

When importing from FMD infected countries or zones, *Veterinary Administrations* should require:  
for semen of domestic ruminants and pigs

the presentation of an *international veterinary certificate* attesting that:

- 1) the donor animals:
  - a) showed no clinical sign of FMD on the day of collection of the semen;
  - b) were kept in an *establishment* where no animal had been added in the 30 days before collection, and that FMD has not occurred within 10 kilometres for the 30 days before and after collection;
  - c) have not been vaccinated and were subjected, not less than 21 days after collection of the semen, to tests for antibodies against FMD virus, with negative results; or
  - d) had been vaccinated at least twice, with the last vaccination not more than 12 and not less than one month prior to collection;
- 2) no other animal present in the *artificial insemination centre* has been vaccinated within the month prior to collection;
- 3) the semen:
  - a) was collected, processed, ~~and~~ stored and shipped in conformity with the provisions of Appendix 3.2.1., Appendix 3.2.2. or Appendix 3.2.3., as relevant;
  - b) was subjected, with negative results, to a test for FMDV infection if the donor animal has been vaccinated within the 12 months prior to collection;
  - c) was stored in the country of origin for a period of at least one month following collection ~~between collection and export~~, and during this period no animal on the *establishment* where the donor animals were kept showed any sign of FMD.

#### **Current OIE proposed text:**

Article 2.1.1.16.

Irrespective of the FMD status of the *exporting country* or zone, *Veterinary Administrations* should authorise without restriction the import or transit through their territory of: ~~*Veterinary Administrations* should require:~~

for *in vivo* derived embryos of cattle

subject to the presentation of an *international veterinary certificate* attesting that:

- 1) ~~the donor females showed no clinical sign of FMD at the time of collection of the embryos;~~
- 2) the embryos were collected, processed and stored in conformity with the provisions of Appendix 3.3.1. or Appendix 3.3.3., as relevant.

#### **Suggested text:**

Article 2.1.1.16.

Irrespective of the FMD status of the *exporting country* or zone, *Veterinary Administrations* should authorise without restriction the import or transit through their territory of:~~*Veterinary Administrations* should require:~~

for *in vivo* derived embryos of cattle

subject to the presentation of an *international veterinary certificate* attesting that:

- 1) ~~the donor females showed no clinical sign of FMD at the time of collection of the embryos;~~
- 2) the embryos were collected, processed, **and** stored **and shipped** in conformity with the provisions of Appendix 3.3.1. or Appendix 3.3.3., as relevant.

### **Current OIE proposed text:**

Article 2.1.1.17.

When importing from FMD free countries or zones where vaccination is not practised, *Veterinary Administrations* should require:

for *in vitro* produced embryos of cattle

the presentation of an *international veterinary certificate* attesting that:

- 1) the donor females:
  - a) showed no clinical sign of FMD at the time of collection of the **oocytes embryos**;
  - b) were kept in a country or zone free from FMD at the time of collection;
- 2) fertilisation was achieved with semen meeting the conditions referred to in Articles 2.1.1.12., 2.1.1.13., 2.1.1.14. or 2.1.1.15., as relevant;
- 3) the **oocytes embryos** were collected, **and the embryos were** processed and stored in conformity with the provisions of Appendix 3.3.2. or Appendix 3.3.3., as relevant.

### **Suggested text:**

Article 2.1.1.17.

When importing from FMD free countries or zones where vaccination is not practised, *Veterinary Administrations* should require:

for *in vitro* produced embryos of cattle

the presentation of an *international veterinary certificate* attesting that:

- 1) the donor females:
  - a) showed no clinical sign of FMD at the time of collection of the **oocytes embryos**;
  - b) were kept in a country or zone free from FMD at the time of collection;

- 2) fertilisation was achieved with semen meeting the conditions referred to in Articles 2.1.1.12., 2.1.1.13., 2.1.1.14. or 2.1.1.15., as relevant;
- 3) the oocytesembryos were collected, and the embryos were processed, and stored and shipped in conformity with the provisions of Appendix 3.3.2. or Appendix 3.3.3., as relevant.

**Current OIE proposed text:**

Article 2.1.1.18.

When importing from FMD free countries or zones where vaccination is practised, *Veterinary Administrations* should require:

for *in vitro* produced embryos of cattle

the presentation of an *international veterinary certificate* attesting that:

- 1) the donor females:
  - a) showed no clinical sign of FMD at the time of collection of the oocytes embryos;
  - b) were kept in a country or zone free from FMD for at least 3 months prior to collection;
  - c) if destined for an FMD free country or zone where vaccination is not practised:
    - i) have not been vaccinated and were subjected, with negative results, to tests for antibodies against FMD virus, or
    - ii) had been vaccinated at least twice, with the last vaccination not less than one month and not more than 12 months prior to collection;
- 2) no other animal present in the *establishment* has been vaccinated within the month prior to collection;
- 3) fertilization was achieved with semen meeting the conditions referred to in Articles 2.1.1.12., 2.1.1.13., 2.1.1.14. or 2.1.1.15., as relevant;
- 4) the oocytesembryos were collected, and the embryos were processed and stored in conformity with the provisions of Appendix 3.3.2. or Appendix 3.3.3., as relevant.

**Suggested text:**

Article 2.1.1.18.

When importing from FMD free countries or zones where vaccination is practised, *Veterinary Administrations* should require:

for *in vitro* produced embryos of cattle

the presentation of an *international veterinary certificate* attesting that:

- 1) the donor females:
  - a) showed no clinical sign of FMD at the time of collection of the oocytes embryos;
  - b) were kept in a country or zone free from FMD for at least 3 months prior to collection;
  - c) if destined for an FMD free country or zone where vaccination is not practised:
    - i) have not been vaccinated and were subjected, with negative results, to tests for antibodies against FMD virus, or
    - ii) had been vaccinated at least twice, with the last vaccination not less than one month and not more than 12 months prior to collection;
- 2) no other animal present in the *establishment* has been vaccinated within the month prior to collection;
- 3) fertilization was achieved with semen meeting the conditions referred to in Articles 2.1.1.12., 2.1.1.13., 2.1.1.14. or 2.1.1.15., as relevant;
- 4) the oocytes embryos were collected, and the embryos were processed, and stored and shipped in conformity with the provisions of Appendix 3.3.2. or Appendix 3.3.3., as relevant.

#### **Current OIE proposed text:**

Article 2.1.1.19.

When importing from FMD free countries or zones where vaccination is not practised, *Veterinary Administrations* should require:

for fresh meat of FMD susceptible animals

the presentation of an *international veterinary certificate* attesting that the entire consignment of meat comes from animals which:

- 1) have been kept in the FMD free country or zone where vaccination is not practised since birth, or which have been imported in accordance with Article 2.1.1.9., Article 2.1.1.10. or Article 2.1.1.11.;
- 2) have been slaughtered in an *approved abattoir* and have been subjected to ante-mortem and post-mortem inspections for FMD with favourable results.

#### **Suggested text:**

Article 2.1.1.19.

When importing from FMD free countries or zones where vaccination is not practised, *Veterinary Administrations* should require:

for fresh meat of FMD susceptible animals



the presentation of an *international veterinary certificate* attesting that the entire consignment of meat comes from animals which:

- 1) have been kept in the FMD free country or zone where vaccination is not practised since birth, or which have been imported in accordance with Article 2.1.1.9., Article 2.1.1.10. or Article 2.1.1.11.;
- 2) have been slaughtered in an *approved abattoir* and have been subjected to ante-mortem and post-mortem inspections for FMD with favourable results.

3) the meat was shipped in conformity with provisions of Article 1.4.1.2 and Article 1.4.1.4 and the necessary precautions were taken, between storage and the date that the shipment for export has been dispatched, to avoid contact of the meat with any potential source of FMD virus.

### **Current OIE proposed text:**

Article 2.1.1.20.

When importing from FMD free countries or zones where vaccination is practised, *Veterinary Administrations* should require:

for *fresh meat* of bovines (excluding feet, head and viscera)

the presentation of an *international veterinary certificate* attesting that the entire consignment of meat comes from animals which:

- 1) have been kept in the FMD free country or zone where vaccination is practised since birth, or which have been imported in accordance with Article 2.1.1.9., Article 2.1.1.10. or Article 2.1.1.11.;
- 2) have been slaughtered in an *approved abattoir* and have been subjected to ante-mortem and post-mortem inspections for FMD with favourable results.

### **Suggested text:**

Article 2.1.1.20.

When importing from FMD free countries or zones where vaccination is practised, *Veterinary Administrations* should require:

for *fresh meat* of bovines (excluding feet, head and viscera)

the presentation of an *international veterinary certificate* attesting that the entire consignment of meat comes from animals which:

- 1) have been kept in the FMD free country or zone where vaccination is practised since birth, or which have been imported in accordance with Article 2.1.1.9., Article 2.1.1.10. or Article 2.1.1.11.;
- 2) have been slaughtered in an *approved abattoir* and have been subjected to ante-mortem and post-

mortem inspections for FMD with favourable results.

3) the meat was shipped in conformity with provisions of Article 1.4.1.2 and Article 1.4.1.4 and the necessary precautions were taken, between storage and the date that the shipment for export has been dispatched, to avoid contact of the meat with any potential source of FMD virus.

**Current OIE proposed text:**

Article 2.1.1.21.

When importing from FMD free countries or zones where vaccination is practised, *Veterinary Administrations* should require:

for fresh meat or meat products of pigs and ruminants other than bovines

the presentation of an *international veterinary certificate* attesting that the entire consignment of meat comes from animals which:

- 1) have been kept in the country or zone since birth, or have been imported in accordance with Article 2.1.1.9., Article 2.1.1.10. or Article 2.1.1.11.;
- 2) have not been vaccinated;
- 3) have been slaughtered in an *approved abattoir* and have been subjected to ante-mortem and post-mortem inspections for FMD with favourable results.

**Suggested text:**

Article 2.1.1.21.

When importing from FMD free countries or zones where vaccination is practised, *Veterinary Administrations* should require:

for fresh meat or meat products of pigs and ruminants other than bovines

the presentation of an *international veterinary certificate* attesting that the entire consignment of meat comes from animals which:

- 1) have been kept in the country or zone since birth, or have been imported in accordance with Article 2.1.1.9., Article 2.1.1.10. or Article 2.1.1.11.;
- 2) have not been vaccinated;
- 3) have been slaughtered in an *approved abattoir* and have been subjected to ante-mortem and post-mortem inspections for FMD with favourable results.

4) the fresh meat or meat products were shipped in conformity with provisions of Article 1.4.1.2 and Article 1.4.1.4 and the necessary precautions were taken, between storage and the date that the shipment for export has been dispatched, to avoid contact of the fresh meat or meat products with any potential source of FMD virus.

### Current OIE proposed text:

Article 2.1.1.22.

When importing from FMD infected countries or zones, where an official control programme exists, involving compulsory systematic vaccination of cattle, *Veterinary Administrations* should require:

for fresh meat of bovines (excluding feet, head and viscera)

the presentation of an *international veterinary certificate* attesting that the entire consignment of meat:

- 1) comes from animals which:
  - a) have remained in the *exporting country* for at least 3 months prior to slaughter;
  - b) have remained, during this period, in a part of the country where cattle are regularly vaccinated against FMD and where official controls are in operation;
  - c) have been vaccinated at least twice with the last vaccination not more than 12 months and not less than one month prior to slaughter;
  - d) were kept for the past 30 days in an *establishment*, and that FMD has not occurred within ~~10 kilometres~~ a 10-kilometre radius of the establishment during that period;
  - e) have been transported, in a *vehicle* which was cleansed and disinfected before the cattle were loaded, directly from the *establishment* of origin to the *approved abattoir* without coming into contact with other animals which do not fulfil the required conditions for export;
  - f) have been slaughtered in an *approved abattoir*:
    - i) which is officially designated for export;
    - ii) in which no FMD has been detected during the period between the last *disinfection* carried out before slaughter and the shipment for export has been dispatched;
  - g) have been subjected to ante-mortem and post-mortem inspections for FMD with favourable results within 24 hours before and after slaughter;
- 2) comes from deboned carcasses:
  - a) from which the major ~~lymphatic glands~~ lymph nodes have been removed;
  - b) which, prior to deboning, have been submitted to maturation at a temperature above + 2°C for a minimum period of 24 hours following slaughter and in which the pH value was below 6.0 when tested in the middle of both the longissimus dorsi.

### Suggested text:

Article 2.1.1.22.

When importing from FMD infected countries or zones, where an official control programme exists, involving compulsory systematic vaccination of cattle, *Veterinary Administrations* should require:

for fresh meat of bovines (excluding feet, head and viscera)

the presentation of an *international veterinary certificate* attesting that the entire consignment of meat:

- 1) comes from animals which:
  - a) have remained in the *exporting country* for at least 3 months prior to slaughter;
  - b) have remained, during this period, in a part of the country where cattle are regularly vaccinated against FMD and where official controls are in operation;
  - c) have been vaccinated at least twice with the last vaccination not more than 12 months and not less than one month prior to slaughter;
  - d) were kept for the past 30 days in an *establishment*, and that FMD has not occurred within 10 kilometres a 10-kilometre radius of the establishment during that period;
  - e) have been transported, in a *vehicle* which was cleansed and disinfected before the cattle were loaded, directly from the *establishment* of origin to the *approved abattoir* without coming into contact with other animals which do not fulfil the required conditions for export;
  - f) have been slaughtered in an *approved abattoir*:
    - i) which is officially designated for export;
    - ii) in which no FMD has been detected during the period between the last *disinfection* carried out before slaughter and the shipment for export has been dispatched;
  - g) have been subjected to ante-mortem and post-mortem inspections for FMD with favourable results within 24 hours before and after slaughter;
- 2) comes from deboned carcasses:
  - a) from which the major lymphatic glands lymph nodes have been removed;
  - b) which, prior to deboning, have been submitted to maturation at a temperature above + 2°C for a minimum period of 24 hours following slaughter and in which the pH value was below 6.0 when tested in the middle of both the longissimus dorsi.
- 3) the fresh meat were shipped in conformity with provisions of Article 1.4.1.2 and Article 1.4.1.4 and the necessary precautions were taken, between storage and the date that the shipment for export has been dispatched, to avoid contact of the fresh meat with any potential source of FMD virus.

### **Current OIE proposed text:**

Article 2.1.1.26.

When importing from FMD infected countries, *Veterinary Administrations* should require:

for blood and meat-meals (from domestic or wild ruminants and pigs)

the presentation of an *international veterinary certificate* attesting that the manufacturing method for these products included heating to a minimum internal temperature of 70°C for at least 30 minutes.

**Suggested text:**

Article 2.1.1.26.

When importing from FMD infected countries, *Veterinary Administrations* should require:

for blood and meat-meals (from domestic or wild ruminants and pigs)

1) the presentation of an *international veterinary certificate* attesting that the manufacturing method for these products included heating to a minimum internal temperature of 70°C for at least 30 minutes.

2) the blood and meats-meal products were shipped in conformity with provisions of Article 1.4.1.2 and Article 1.4.1.4 and the necessary precautions were taken, between storage and the date that the shipment for export has been dispatched, to avoid contact of the blood and meats-meal products with any potential source of FMD virus.

**Current OIE proposed text:**

Article 2.1.1.28.

When importing from FMD infected countries or zones, *Veterinary Administrations* should require:

for straw and forage

the presentation of an *international veterinary certificate* attesting that these commodities:

- 1) are free of grossly identifiable contamination with material of animal origin;
- 2) have been subjected to one of the following treatments, which, in the case of material sent in bales, has been shown to penetrate to the centre of the bale:
  - a) either to the action of steam in a closed chamber such that the centre of the bales has reached a minimum temperature of 80°C for at least 10 minutes,
  - b) or to the action of formalin fumes (formaldehyde gas) produced by its commercial solution at 35-40% in a chamber kept closed for at least 8 hours and at a minimum temperature of 19°C;

OR

- 3) have been kept in bond for at least 3 months (under study) before being released for export.

**Suggested text:**

Article 2.1.1.28.

When importing from FMD infected countries or zones, *Veterinary Administrations* should require:

for straw and forage

the presentation of an *international veterinary certificate* attesting that these commodities:

- 1) are free of grossly identifiable contamination with material of animal origin;

- 2) have been subjected to one of the following treatments, which, in the case of material sent in bales, has been shown to penetrate to the centre of the bale:
  - a) either to the action of steam in a closed chamber such that the centre of the bales has reached a minimum temperature of 80°C for at least 10 minutes,
  - b) or to the action of formalin fumes (formaldehyde gas) produced by its commercial solution at 35-40% in a chamber kept closed for at least 8 hours and at a minimum temperature of 19°C;
- 3) the materials were shipped in conformity with provisions of Article 1.4.1.2 and Article 1.4.1.4 and the necessary precautions were taken, between storage and the date that the shipment for export has been dispatched, to avoid contact of the fresh meat or meat products with any potential source of FMD virus.

OR

- ⇒ 4) have been kept in bond for at least 3 months (under study) before being released for export.

#### **Current OIE proposed text:**

Article 2.1.1.30.

When importing from FMD infected countries or zones, *Veterinary Administrations* should require:

for skins and trophies derived from wild animals susceptible to FMD

the presentation of an *international veterinary certificate* attesting that these products have been processed to ensure the destruction of the FMD virus in conformity with the procedures referred to in Article 3.6.2.7.

#### **Suggested text:**

Article 2.1.1.30.

When importing from FMD infected countries or zones, *Veterinary Administrations* should require:

for skins and trophies derived from wild animals susceptible to FMD

- 1) the presentation of an *international veterinary certificate* attesting that these products have been processed to ensure the destruction of the FMD virus in conformity with the procedures referred to in Article 3.6.2.7.

- 2) the skins and trophies were shipped in conformity with provisions of Article 1.4.1.2 and Article 1.4.1.4 and the necessary precautions were taken, between storage and the date that the shipment for export has been dispatched, to avoid contact of the skins and trophies with

**Rationale:** For the suggested language to each of the Articles identified above, chain of custody for exporting country is complete when the product/commodity (be it semen, embryos, meat, meat products etc.) leaves its soil; the exporting country should be required to verify to the importing country that no exposure to the FMD virus occurred between the time of processing until shipment.

any potential source of FMD virus.